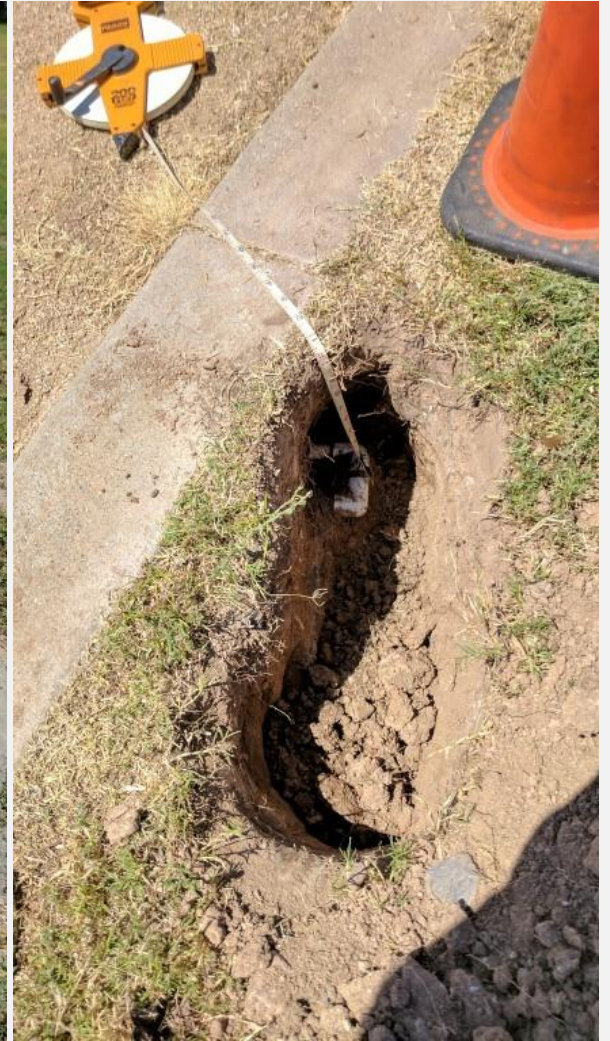




## Peoria Irrigation System and Turf Reduction Study

The consultant began by performing a thorough irrigation system operational review and efficiency evaluation.

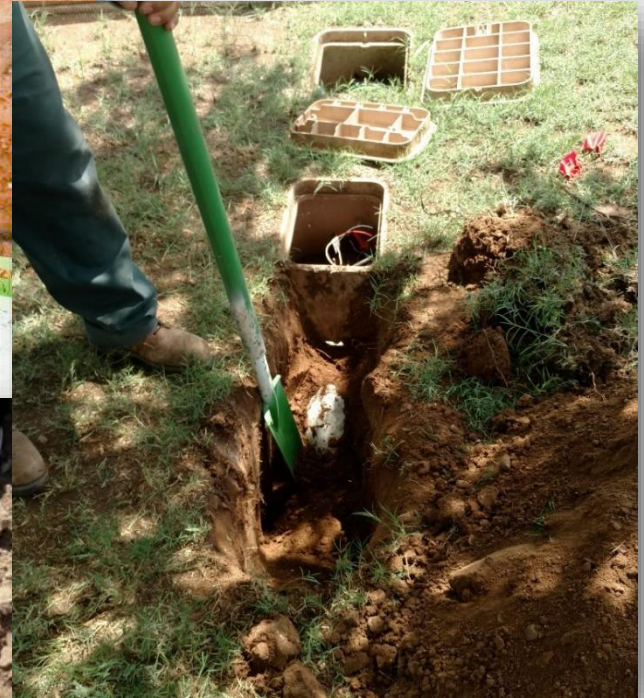


## Peoria Irrigation System and Turf Reduction Study

Equipment inventory and evaluation, GPS mapping and historical water use analysis was conducted for each park.

# Peoria Irrigation System and Turf Reduction Study

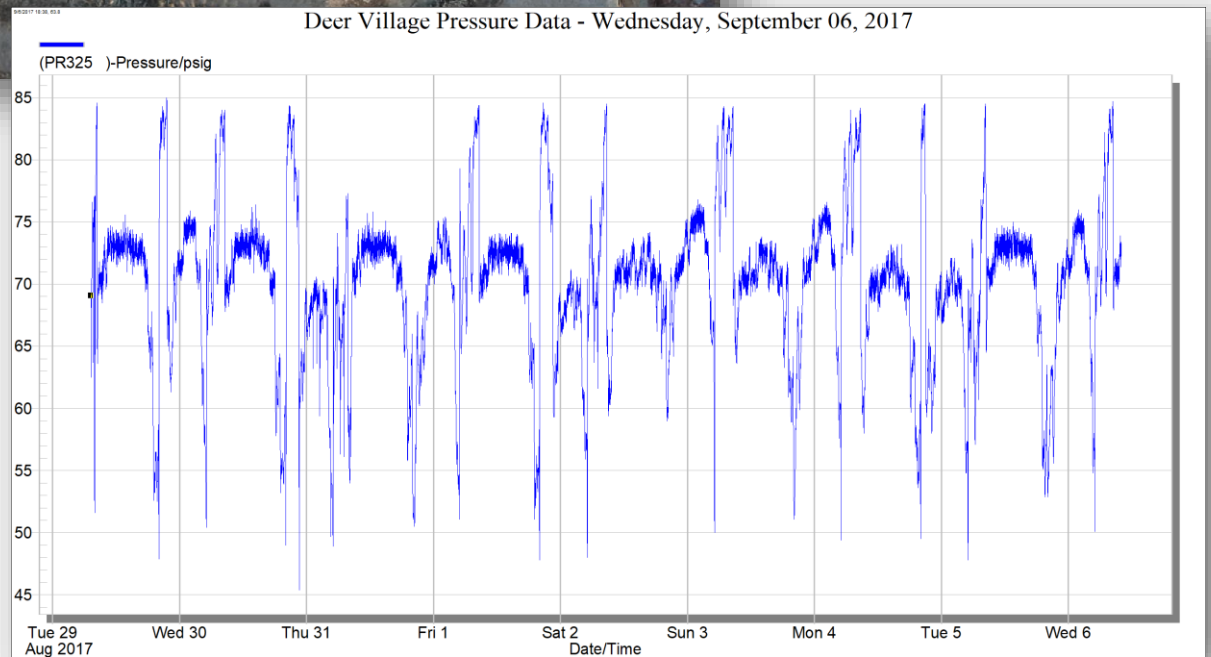
Selective potholing was used to confirm mainline pipe size and material at each park.





## Peoria Irrigation System and Turf Reduction Study

A pressure-recorder was connected to the backflow preventer at each park to identify available water pressure and pressure fluctuations in the system over a week's timeframe.





## Peoria Irrigation System and Turf Reduction Study

Observations for passive and active use and practicality of maintenance for turfgrass areas were detailed, as well as a summary of turfgrass condition.





## Peoria Irrigation System and Turf Reduction Study

The consultant recommended the immediate implementation of comprehensive irrigation design and operational standards.



## Peoria Irrigation System and Turf Reduction Study

### Example Hydraulic Model

A mainline hydraulic model was created for each park using WaterCAD® software based on GPS field mapping data and “as-built” Record Drawings.



Peoria Irrigation System and Turf Reduction Study